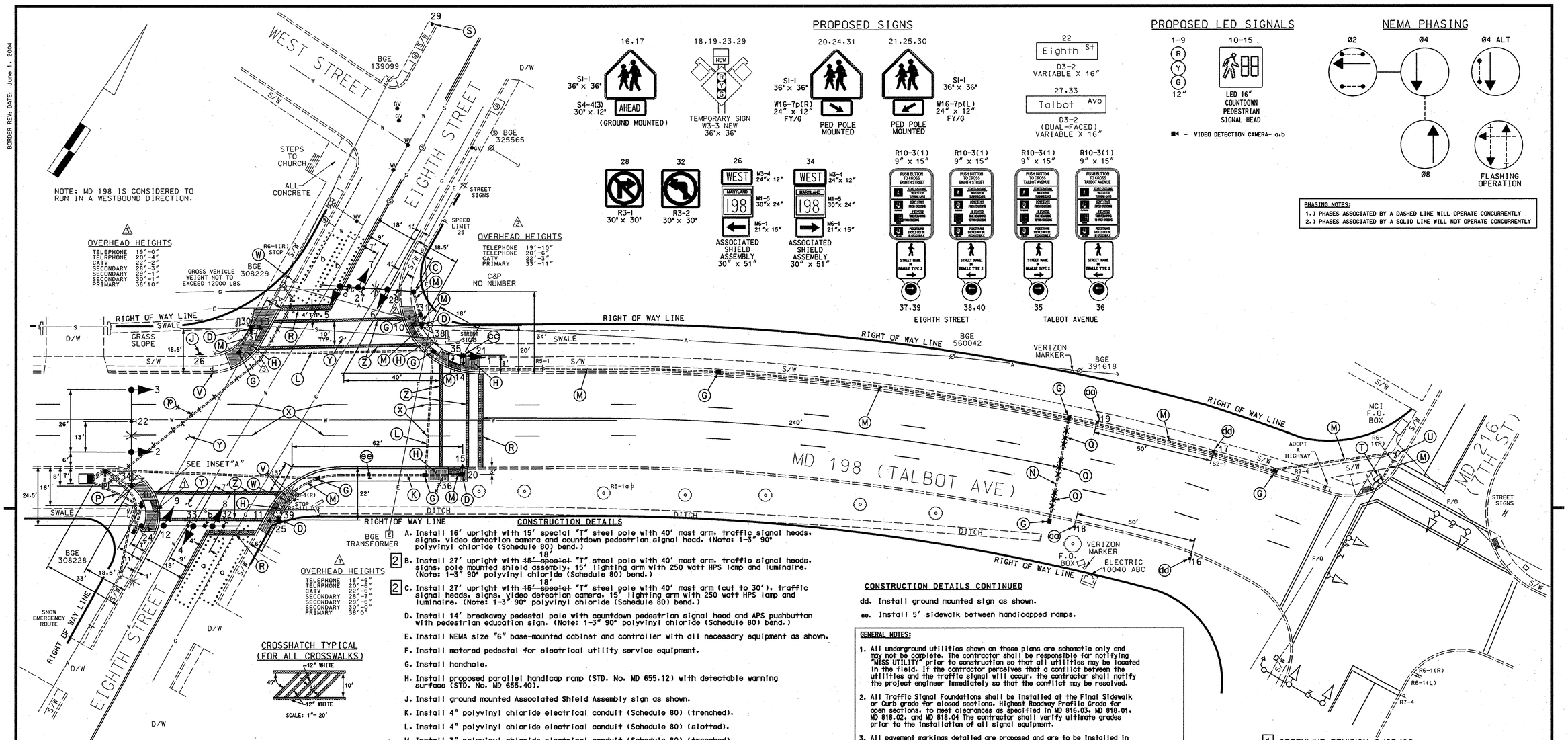

PROPOSED SIGNS

PROPOSED LED SIGNALS

NEMA PHASING

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. Install 16' upright with 15' special "T" steel pole with 40' mast arm, traffic signal heads, signs, video detection camera and countdown pedestrian signal head. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

2 B. Install 27' upright with ~~45' special~~ 18' "T" steel pole with 40' mast arm, traffic signal heads, signs, pole mounted shield assembly, 15' lighting arm with 250 watt HPS lamp and luminaire. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

2 C. Install 27' upright with ~~45' special~~ 18' "T" steel pole with 40' mast arm (cut to 30'), traffic signal heads, signs, video detection camera, 15' lighting arm with 250 watt HPS lamp and luminaire. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 14' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

F. Install metered pedestal for electrical utility service equipment.

G. Install handhole.

H. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

J. Install ground mounted Associated Shield Assembly sign as shown.

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

M. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

N. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

O. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

P. Install a 4" (for power service) and 2" (for telephone service) polyvinyl chloride electrical conduit (Schedule 80) (slotted) at the base of BGE pole #308229. (Note: Contractor shall stub out each conduit at base of utility pole with pull string.)

Q. Install non-invasive micro loop probe set with 500' lead-in cable.

R. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)

S. Install ground mounted W3-3 with NEW panel and flags 120' from stopline.

T. Contractor shall use existing pole base and pole mounted cabinet to install proposed interconnect cable. (Note: Contractor shall use existing elbow in existing pole base.)

U. Use existing handhole.

V. Remove existing ground mounted sign.

W. Remove existing stop sign once signal is operational.

X. Remove existing pavement markings as shown.

Y. Remove existing crosswalk / stopline markings. (Not shown on plan for clarity.)

Z. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)

aa. Install ground mounted W3-3 with NEW panel and flags 280' from stopline.

bb. Install 5' breakaway pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

cc. Install 20' breakaway pedestal pole with traffic signal head, countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

CONSTRUCTION DETAILS CONTINUED

dd. Install ground mounted sign as shown.

ee. Install 5' sidewalk between handicapped ramps.

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be crosshatched and centered on handicap ramps. (See Crosswalk typical.)
4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements OF MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

1 GREENLINE REVISION 8/25/08
TEDD APPROVAL Jennifer Biddle
2 GREENLINE REVISION 9/18/08
TEDD APPROVAL Jennifer Biddle

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

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APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

PLOTTED: $DATETIME$
FILE: $FILE$

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 6-4-08 CONTRACT NO. XX4445185

DESIGNED BY R.R.Z.
DRAWN BY D.A.NIES
CHECKED BY
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16C19801.37
TIMS NO. 1647
TOD NO.

TS NO. 4663 | DRAWING NO. 1 OF 2 | SHEET NO. OF

DRILL HOLES
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BORDER REVISED DATE: June 1, 2004
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